

Application Serial No. 10/648,869  
Reply to June 30, 2005 Office Action

-15-

Docket No. 1232-5126

### **REMARKS**

Before entry of the foregoing amendments, claims 1-18 are pending in this application, of which claims 1, 4, 5, 9, 12, and 13 are independent in form. Claims 1, 9, and 17 are canceled herein without prejudice or disclaimer. Claims 2, 3, 4, 7, 8, 10, 11, 15, 16, and 18 are amended herein. No new matter has been added by these amendments. Applicant respectfully requests reconsideration in view of the foregoing amendments and the following remarks.

#### ***Claim Objections***

Claims 3, 4, 7, 8, 15, and 16 are objected to because of informalities. Claim 3 has been amended to provide antecedent basis for "relative movement amount of said stipulated movement amount n." Claim 4 has been amended to insert the word "a" before the word "direction" as suggested by the Examiner. Claims 7, 8, 15, and 16 have been amended to replace "to-be-used" with "that is used." Claim 15 has been further amended to provide antecedent basis for "heading amount x." Accordingly, applicant respectfully requests reconsideration and withdrawal of the objections to claims 3, 4, 7, 8, 15, and 16.

#### ***Claim Rejections***

Claim 17 is rejected under 35 U.S.C. § 101 because the claimed invention purportedly is directed to non-statutory subject matter.

Claims 1, 3, 9, 11, 17, and 18 are rejected under 35 U.S.C. § 102 as allegedly being anticipated by U.S. Patent No. 6,517,267 B1 to Otsuki ("Otsuki").

Application Serial No. 10/648,869  
Reply to June 30, 2005 Office Action

-16-

Docket No. 1232-5126

Applicant respectfully disagrees with the characterization of the pending claims and of the teachings attributed to the prior art in the stated rejections, and respectfully traverses these rejections.

Claims 1, 9 and 17 are canceled herein, thereby rendering their rejection moot. Applicant respectfully requests that the rejections be withdrawn.

*Allowable Subject Matter*

Claims 5, 6, and 12-14 are indicated as being allowed. Claims 4 and 7 are indicated as being allowable if rewritten to overcome the stated objections. Claims 2, 8, 10, 15, 16 have been indicated as including allowable subject matter and as being allowable if rewritten to overcome the relevant stated objections and in independent form including all of the limitations of the base claim and any intervening claims.

Applicant has amended claims 2, 4, 7, 8, 10, 15 and 16 accordingly.

Applicant has amended claims 4 and 7 to overcome the Examiner's objections as indicated above.

Claim 2 is amended herein to be in independent form and to include the limitations of former claim 1, which is canceled herein. Claim 3 is amended herein to depend from amended claim 2. Claim 8, dependent upon claim 2, is amended herein to overcome the Examiner's objections as indicated above.

Claim 10 is amended herein to be in independent form and to include the limitations of former claim 9, which is canceled herein. Claim 11 is amended herein to depend from amended claim 10. Claim 18 has been amended to depend from amended claim 10.

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Application Serial No. 10/648,869  
Reply to June 30, 2005 Office Action

-17-

Docket No. 1232-5126

Applicant thus believes that amended claims 2, 4, 7, 8, 10, 15 and 16, and any claims depending therefrom, are hereby rendered allowable.

### CONCLUSION

In view of the foregoing, all rejection and objections are believed overcome or otherwise rendered moot. The present invention as recited in the claims presented herein is thus believed patentably distinct over the art of record and the application is believed to be hereby placed in condition for allowance, which action is respectfully requested.

If any outstanding issues remain, however, the Examiner is invited to contact the undersigned at the telephone number below.

### AUTHORIZATION

While no fees or extensions of time are believed due, in the event that an extension of time is required to render this filing timely, such extension is hereby petitioned and is the Commissioner is hereby authorized to charge any fees or credit any overpayment to Deposit Account No. 13-4500, Order No. 1232-5126.

Respectfully submitted,  
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